

What is Claimed is:

1. A method for controlling fuel injection in a bi-fuel internal combustion engine operating on at least one of a gasiform fuel and a liquid fuel, comprising the step of:

providing control of correcting a fuel injection quantity, an intake air quantity, or ignition timing when operation of said bi-fuel internal combustion engine is switched from the operation on said liquid fuel to that on said gasiform fuel, or vice versa.

2. The method for controlling fuel injection in a bi-fuel internal combustion engine according to claim 1, wherein a combined control of correcting the fuel injection quantity and the intake air quantity is provided when the operation of said bi-fuel internal combustion engine is switched from the operation on said liquid fuel to that on said gasiform fuel, or vice versa.

3. The method for controlling fuel injection in a bi-fuel internal combustion engine according to claim 1, wherein a combined control of correcting the fuel injection quantity, the intake air quantity, and the ignition timing is provided when the operation of said bi-fuel internal combustion engine is switched from the operation on said liquid fuel to that on said gasiform fuel, or vice versa.

4. A device for controlling fuel injection in a bi-fuel internal combustion engine, wherein a fuel injector is used commonly for injecting a gasiform fuel and a liquid fuel.

5. The device for controlling fuel injection in a bi-fuel internal combustion engine according to claim 4, wherein supply of the gasiform fuel or the liquid fuel is selected in accordance with an engine operating condition.

6. The device for controlling fuel injection in a bi-fuel internal combustion engine according to claim 4, wherein an injector dedicated to injection of the gasiform fuel is added to said common injector injecting both gasiform fuel and liquid fuel.

7. A device for controlling fuel injection in a bi-fuel internal combustion engine, said device being provided with a first fuel injector injecting a liquid fuel and a second fuel injector injecting a gasiform fuel,

wherein said liquid fuel injected from said first fuel injector is used for performing a cleaning injection for cleaning said injector dedicated to injection of the gasiform fuel.

8. The device for controlling fuel injection in a bi-fuel internal combustion engine according to claim 7,

wherein timing for performing said cleaning injection for cleaning with said liquid fuel said injector

dedicated to injection of the gasiform fuel is set to a time of starting or a range at which a throttle valve fully opens.